

# **PROCESS FOR REMOVING SO<sub>3</sub>/H<sub>2</sub>SO<sub>4</sub> FROM FLUE GASES**

## **Abstract of Disclosure**

A process of using sodium carbonate and sodium bicarbonate solutions to remove SO<sub>3</sub> and other acidic gases or vapors from a flue gas without substantially decreasing the amount of sulfur dioxide also present in the flue gas. Very limited quantities of such solutions are injected into the flue gas in a manner that achieves a controlled droplet size, such that the solution dries on contact with the flue gas and the resulting dry particles of sodium carbonate/bicarbonate are sufficiently small as to have adequate surface area for reacting with SO<sub>3</sub>, as well as any H<sub>2</sub>SO<sub>4</sub> and, to some extent, HCl vapors in the flue gas.

## Figures